

ABSTRACT

A diagnostic port for diagnosing a rack mount server while the server is installed in a rack. Diagnosis may be performed using an external computer in one of two ways. First, the external computer is connected to the diagnostic port to run server operating system debug algorithms.

- 5 Second, the diagnostic port may provide access to data and routines in a server management device located within the server. Each of these functions is accessible via separate connectors located on the user-accessible faceplate at the front the server. Alternatively, the functions may be accessible via an adapter that connects to a single connector at the front of the server. The server management functions are ordinarily accessible from the rear using existing network connections,
- 10 but an internal switch selectably enables the diagnostic port if a mating connector is inserted.